AMENDMENTS TO THE CLAIMS

1. (currently amended) A program executing method to execute a program written in an interpreter language, comprising the steps of:

extracting reference data comprising a first and second reference data, said reference data is used for specifying a location to be accessed in a memory, and resolving a reference using said reference data, said first reference data comprising an index to a resolved class related reference data and said second reference data comprising an index to a resolved field related reference data;

storing result data of said resolved reference linking to said program in the a code entry specified by the representing an instruction to be executed when the program is executed, said code entry further comprising at least one link to another code entry associated with the instruction, said two steps of extracting and storing being executed before said program is executed; and

specifying a location in said memory to be accessed based on said result data of said resolved reference linking to said program through said reference data, when said program is executed which requires to access to said memory.

2. (currently amended) An information processing device provided with a program written in an interpreter language, comprising:

a storing means to store result data of a resolved reference linking to said program in a code data entry specified by the representing an instruction to be executed when the program is executed, wherein reference data used to obtain the result data comprises a first and second reference data, at least one of said reference data to specify a location in a memory to be accessed, wherein said first

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reference data is determined based on a class data <u>index</u> and said second

reference data comprises an index value for one or more field data, <u>said code</u>

<u>entry further comprising at least one link to another code entry associated with</u>

<u>the instruction;</u>

a program executing means to execute said program, which specifies said

location in said memory to be accessed based on said result data of said resolved

reference linking to said program through said reference data, when said

program is executed which requires access to said memory.

3. (previously presented) The information processing device of claim 2, wherein

said program comprises an object program in byte code and data which

represent the content of reference data linked to said program, and said program

executing means stores said result data of said resolved reference in a link

information provided for linking to said object program.

4. (previously presented) The information processing device of claim 3, wherein

said link information provided for linking to said object program contains code

data of a number of fixed lengths, and said result data of said resolved reference

is stored in a predetermined location in a head code data.

5. (previously presented) The information processing device of claim 4, wherein

said object program and said link information are read out of a ROM at the time

of executing said program.

Claims 6-10 (canceled)

11. (previously presented) The program executing method of claim 1, wherein

said reference data further comprises a third reference data.

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12. (previously presented) The program executing method of claim 11, wherein said third reference data comprises a method related reference data.

13. (previously presented) The program executing method of claim 12, wherein said method related reference data comprises an index for a method table.

14. (canceled)

15. (previously presented) The information processing device of claim 2, wherein said first reference data comprises at least one resolved class table index data.

16. (previously presented) The information processing device of claim 2, further comprising a third reference data, said third reference data comprising a first data structure for storing character data and a second data structure for storing data indicating a position within said first data structure for storing character data.

17. (previously presented) The program executing method of claim 2, wherein said reference data further comprises a third reference data.

18. (previously presented) The information processing device of claim 3, wherein said link information comprises a plurality of reference data structures, each of said data structures comprise at least one fixed length code data, and said result data of said resolved reference is stored in a predetermined location in a head code data of at least one of said plurality of reference data structures.

19. (previously presented) The information processing device of claim 3, wherein said link information provided for linking to said object program contains code data of a number of fixed lengths, and said result data of said

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resolved reference is stored in a predetermined location in a head code data portion of said link information.